

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111622\
 Data File : VX032863.D
 Acq On : 16 Nov 2022 13:19
 Operator : JC/MD
 Sample : VX1116WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1116WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/17/2022
 Supervised By : Mahesh Dadoda 11/17/2022

Quant Time: Nov 17 05:41:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 08:28:06 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	94062	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	145534	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	130701	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	70202	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	67056	51.306	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.620%			
35) Dibromofluoromethane	5.385	113	54767	52.757	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.520%			
50) Toluene-d8	8.647	98	176675	48.944	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.880%			
62) 4-Bromofluorobenzene	11.079	95	73272	51.964	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.920%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	17475	16.108	ug/l	98
3) Chloromethane	1.294	50	15174	16.539	ug/l	91
4) Vinyl Chloride	1.374	62	16725	16.564	ug/l	97
5) Bromomethane	1.618	94	13517	16.751	ug/l	99
6) Chloroethane	1.691	64	15155	22.373	ug/l	95
7) Trichlorofluoromethane	1.892	101	34737	18.156	ug/l	95
8) Diethyl Ether	2.130	74	11826	19.074	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	19619	19.429	ug/l	99
10) Methyl Iodide	2.453	142	17348	16.770	ug/l	99
11) Tert butyl alcohol	2.995	59	16891m	88.794	ug/l	
12) 1,1-Dichloroethene	2.319	96	16545	17.539	ug/l	87
13) Acrolein	2.239	56	19928	104.936	ug/l	100
14) Allyl chloride	2.666	41	27059	17.995	ug/l	98
15) Acrylonitrile	3.069	53	46169	89.429	ug/l	99
16) Acetone	2.392	43	45533	95.854	ug/l	96
17) Carbon Disulfide	2.514	76	31550	14.042	ug/l	98
18) Methyl Acetate	2.703	43	31637	20.481	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	66849	20.163	ug/l	100
20) Methylene Chloride	2.788	84	21102	19.375	ug/l	99
21) trans-1,2-Dichloroethene	3.093	96	18804	18.313	ug/l	97
22) Diisopropyl ether	3.757	45	64849	19.938	ug/l #	85
23) Vinyl Acetate	3.721	43	242678	92.351	ug/l	98
24) 1,1-Dichloroethane	3.611	63	36485	19.502	ug/l	99
25) 2-Butanone	4.556	43	65687	89.255	ug/l	94
26) 2,2-Dichloropropane	4.477	77	27742	18.654	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	23474	19.778	ug/l	99
28) Bromochloromethane	4.904	49	12623	18.942	ug/l	99
29) Tetrahydrofuran	5.007	42	40834	87.013	ug/l	99
30) Chloroform	5.093	83	41519	20.225	ug/l	96
31) Cyclohexane	5.464	56	28250	17.827	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	36649	19.894	ug/l	100
36) 1,1-Dichloropropene	5.690	75	27336	18.910	ug/l	100
37) Ethyl Acetate	4.715	43	25661	17.053	ug/l	98
38) Carbon Tetrachloride	5.678	117	31048	19.364	ug/l	95
39) Methylcyclohexane	7.379	83	29936	17.502	ug/l	96
40) Benzene	6.038	78	80154	19.594	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	15141	19.752	ug/l	99
42) 1,2-Dichloroethane	6.086	62	34501	20.632	ug/l	99
43) Isopropyl Acetate	6.336	43	42691	18.478	ug/l	99
44) Trichloroethene	7.129	130	22767	19.770	ug/l	95
45) 1,2-Dichloropropane	7.428	63	21886	20.841	ug/l	98
46) Dibromomethane	7.580	93	16302	20.242	ug/l	99
47) Bromodichloromethane	7.824	83	31668	20.747	ug/l	98
48) Methyl methacrylate	7.696	41	22249	18.646	ug/l	99
49) 1,4-Dioxane	7.696	88	8123	357.210	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	139867	96.111	ug/l	100
52) Toluene	8.720	92	53204	19.934	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	30085	19.318	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	33148	19.900	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	23868	21.234	ug/l	96
56) Ethyl methacrylate	9.116	69	33064	20.441	ug/l	98
57) 1,3-Dichloropropane	9.311	76	37924	20.893	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	80035	102.758	ug/l	100
59) 2-Hexanone	9.427	43	101255	93.770	ug/l	100
60) Dibromochloromethane	9.519	129	24410	19.882	ug/l	99
61) 1,2-Dibromoethane	9.610	107	23798	19.982	ug/l	99
64) Tetrachloroethene	9.275	164	19540	20.426	ug/l	96
65) Chlorobenzene	10.079	112	59818	20.431	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	22601	20.511	ug/l	98
67) Ethyl Benzene	10.195	91	106113	20.268	ug/l	100
68) m/p-Xylenes	10.299	106	81821	40.247	ug/l	100
69) o-Xylene	10.640	106	40259	20.368	ug/l	99
70) Styrene	10.653	104	66366	20.203	ug/l	99
71) Bromoform	10.799	173	16924	19.426	ug/l #	99
73) Isopropylbenzene	10.963	105	109674	19.715	ug/l	99
74) N-amyl acetate	10.842	43	38623	18.375	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	34789	19.483	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	30707m	19.661	ug/l	
77) Bromobenzene	11.195	156	27559	20.207	ug/l	96
78) n-propylbenzene	11.305	91	124113	19.365	ug/l	99
79) 2-Chlorotoluene	11.366	91	76415	19.908	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	94150	19.803	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	7765	15.820	ug/l	90
82) 4-Chlorotoluene	11.457	91	87479	19.477	ug/l	100
83) tert-Butylbenzene	11.713	119	94775	19.967	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	93280	19.726	ug/l	99
85) sec-Butylbenzene	11.890	105	111281	19.484	ug/l	100
86) p-Isopropyltoluene	12.012	119	95105	19.624	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	50217	19.520	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	52361	19.619	ug/l	99
89) n-Butylbenzene	12.335	91	80924	19.193	ug/l	99
90) Hexachloroethane	12.536	117	14859	18.771	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	51746	20.399	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	6617	16.901	ug/l	100
93) 1,2,4-Trichlorobenzene	13.591	180	31814	19.235	ug/l	98
94) Hexachlorobutadiene	13.725	225	13577	19.655	ug/l	97
95) Naphthalene	13.774	128	100614	18.256	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	33135	19.708	ug/l	97

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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